

Diagnostic Parasitology I: Intestinal Organisms & Arthropods



**HANDS -ON
LABORATORY
WORKSHOP**

APPLICATION & REGISTRATION

*** FREE REGISTRATION**

Application Deadline: April 20, 2015

- The preliminary application is to be completed online at <https://www.surveymonkey.com/r/2015intestinal>
- If you are unable to complete the application online, notify Karen Ching at 404-498-6403 or email kching@cdc.gov.
- Only completed application received by the deadline will be considered.
- Participants will be selected according to the applicants' job description, experience, and responsibilities.
- Notification of acceptance status will be sent via email by **April 24, 2015**.

FACULTY

Parasitic Diseases Branch, Division of Parasitic Diseases and Malaria, Center for Global Health, CDC, Atlanta, GA

- **Henry Bishop**, Microbiologist
- **Blaine Mathison, BS, M(ASCP)**, Microbiologist

QUESTIONS

Please contact Karen Ching at 404-498-6403 or email kching@cdc.gov.

P.A.C.E. ® Course #: 288-013-15
Florida #: 20-476739

Sponsored by the Division of Parasitic Diseases and Malaria, and the Laboratory Training Branch, Centers for Disease Control and Prevention

DESCRIPTION

Diagnosis of most parasitic infections is based upon the morphologic characteristics of eggs and larvae of helminths, cysts, and trophozoites of protozoa, and immature and adult arthropods. Therefore, it is necessary to correctly process, examine, detect, and identify parasitic organisms from clinical specimens. During this four-day, intermediate-level, hands-on workshop, faculty from the Centers for Disease Control and Prevention will instruct participants in how to detect and identify medically-important intestinal helminths, intestinal protozoa, and arthropods.

AUDIENCE

This intermediate-level, hands-on program is intended for laboratorians who work in public health or clinical microbiology laboratories, are proficient using a microscope, and have experience identifying intestinal parasites and arthropods.

LOCATION

Centers for Disease Control and Prevention, Atlanta, GA

OBJECTIVES

At the conclusion of this program, participants will be able to:

- Describe morphologic characteristics of intestinal helminths, intestinal protozoa, and arthropods of public health concern.
- Microscopically detect and identify helminths and protozoa.
- Recognize the common genera and species of medically important arthropods.
- Detect *Cyclospora cayetanensis* using fluorescence microscopy.
- Discuss the process of clearing or staining proglottids with lactophenol or India ink.

CONTINUING EDUCATION

The Centers for Disease Control and Prevention Laboratory Training Branch is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for **17** contact hours.

This course has been approved for **23** contact hours in the category of Microbiology/Mycology/Parasitology for Florida Laboratory Licensees.



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention



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AGENDA

Tuesday, July 21

8:00 a.m. Welcome and Course Overview
8:30 a.m. Safety
8:45 a.m. Pre-test
9:45 a.m. Break
10:00 a.m. Lecture: Flagellates, Ciliates, *Blastocystis*
10:30 a.m. Lab: Flagellates, Ciliates, *Blastocystis*
11:30 a.m. Lunch
12:30 p.m. Lecture: Intestinal Amoebae
1:30 p.m. Lab: Protozoa, to date
3:00 p.m. Break
3:15 p.m. Lab: Protozoa, to date
4:15 p.m. Question and Answer
4:30 p.m. Adjourn

Wednesday, July 22

8:30 a.m. Lecture: Intestinal Coccidia
9:30 a.m. Lecture: microsporidia
10:15 a.m. Break
10:30 a.m. Lab: protozoa, to date
11:30 a.m. Lunch
12:30 p.m. Lecture: Intestinal Cestodes
1:30 p.m. Lab: Cestodes, Protozoa to date
3:15 p.m. Break
3:30 p.m. Lab: Cestodes, Protozoa to date
4:14 p.m. Questions and Answer
4:30 p.m. Adjourn

Thursday, July 23

8:30 a.m. Lecture: Intestinal Trematodes:
9:30 a.m. Lab: Helminths, Protozoa to date
10:15 a.m. Break
10:30 a.m. Lab: Helminths, Protozoa to date
11:30 a.m. Lunch
12:30 p.m. Lecture: Intestinal Nematodes:
1:15 p.m. Lab: Helminths, Protozoa (all)
2:30 p.m. Break
2:45 p.m. Lecture: Telediagnosis
3:15 p.m. Lab: Helminths, Protozoa (all)
4:15 p.m. Questions and Answers
4:30 p.m. Adjourn

Friday, July 24

8:30 a.m. Lecture: Arthropods
9:15 a.m. Lab: All organisms and review
10:15 a.m. Break
10:30 a.m. Lab: All organisms and review
11:30 a.m. Lunch
12:30 p.m. Lecture: Review, Q&A
12:45 p.m. Post-test
1:45 p.m. Break
2:00 p.m. Evaluation
2:30 p.m. Adjourn

SPECIAL NEEDS

In compliance with the Americans with Disabilities Act (ADA), individuals seeking special accommodations should submit their request in writing to rbandea@cdc.gov or phone 404-639-4554 at least three weeks before the program. Please allow sufficient time for CDC to make arrangements which is normally at least three weeks prior to the start date of course.



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SECURITY CLEARANCE REQUIREMENTS

NON-US CITIZENS — This course will be held at the training laboratory on the CDC Roybal campus. Due to CDC requirements for security clearance, all non-US citizens will be asked to provide information needed to obtain clearance. Detailed instructions will be provided upon acceptance into the course. Please do not make any nonrefundable travel plans until you have received confirmation of acceptance into the course and security clearance approval. The information you provide will only be used for the purposes of attending this course.

US CITIZENS - If you are a US citizen, there is no extra clearance process required.